

# Solaris ATS-1 - All Terrain Speakers

Thank you for selecting Phase Technology speakers. We know there are a wide variety of choices available today, and we sincerely appreciate your purchase of our product. Phase Technology speakers are built to exacting standards and will provide many years of listening enjoyment.



ATS-1

Our speakers are the result of over five decades of designing and manufacturing what many consider the finest sound reproduction products available. We hold several key patents in loudspeaker technology including the soft-dome tweeter. Our mission, our passion is to constantly advance the art and science of accurate audio reproduction. Our dedication insures your new speakers will accurately reproduce all the impact, detail and delicacy of today's digital technology.

Regardless of application, serious audiophile listening or home theater, we recommend that you take the time to read this manual thoroughly before connecting speakers to your amplifier or receiver. In the highly unlikely event that you should experience a problem with set-up or operation, please contact one of our carefully chosen dealers for assistance, or contact us directly.

We trust that your new Phase Technology speakers will enrich your enjoyment of music and movies beyond your expectations.

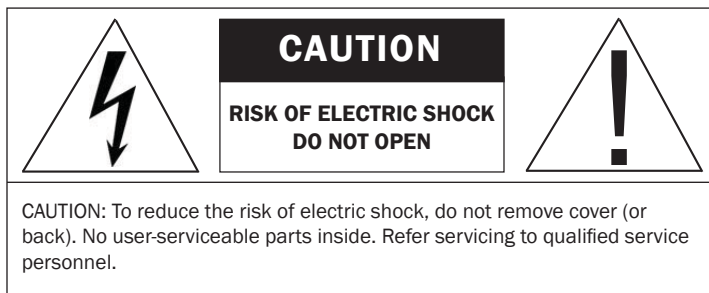
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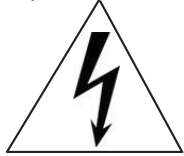
### ATS-1 FEATURES:

- 1" soft dome tweeters
- 80 watts of continuous power
- Strength to withstand UV rays, weed whackers, moisture
- Theft control hardware
- Adjustable C clamps and inserts for OmniMount™ brackets

## SAFETY INSTRUCTIONS



### Explanation of Graphical Symbols



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

- 1. Read Instructions** - All the safety and operating instructions should be read before the appliance is operated.
- 2. Retain Instructions** - The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings** - All warnings on the appliance and in the operating instructions should be adhered to.
- 4. Follow Instructions** - All operating and other instructions should be followed.
- 5. Water and Moisture** - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
- 6. Carts and Stands** - The appliance should be used only with a cart or stand that is recommended by the manufacturer.

### PORTABLE CART WARNING



- 7. Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 8. Ventilation** - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet that may impeded the flow of air through the ventilation openings.

- 9. Heat** - The appliance should be situated away from heat sources such as radiators, stoves, or other appliances that produce heat.
- 10. Power Source** - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
- 11. Power Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed up or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- 12. Cleaning** - The appliance should be cleaned only as recommended by the manufacturer.
- 13. Nonuse Periods** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- 14. Object and Liquid Entry** - Care should be taken so that neither objects fall nor liquids spill into the inside of the appliance.
- 15. Damage Requiring Service** - The application should be serviced by qualified service personnel when:
  - a. the power supply cord or the plug has been damaged,
  - b. Objects have fallen onto or liquid has been spilled into the appliance,
  - c. the appliance has been exposed to rain,
  - d. the appliance does not appear to operate normally or exhibits a marked change in performance, or
  - e. the appliance has been dropped or the cabinet damaged.
- 16. Servicing** - The user should not attempt to service the appliance beyond those means described in the operating instructions. All other servicing should be referred to qualified service personnel.
- 17. Grounding or Polarization** - Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

### APPLICABLE FOR USA, CANADA OR WHERE APPROVED FOR USAGE

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE PLUG TO WIDE SLOT, INSERT FULLY.

**ATTENTION:** POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRESE ET POUSSER JUSQU'AU FOND.

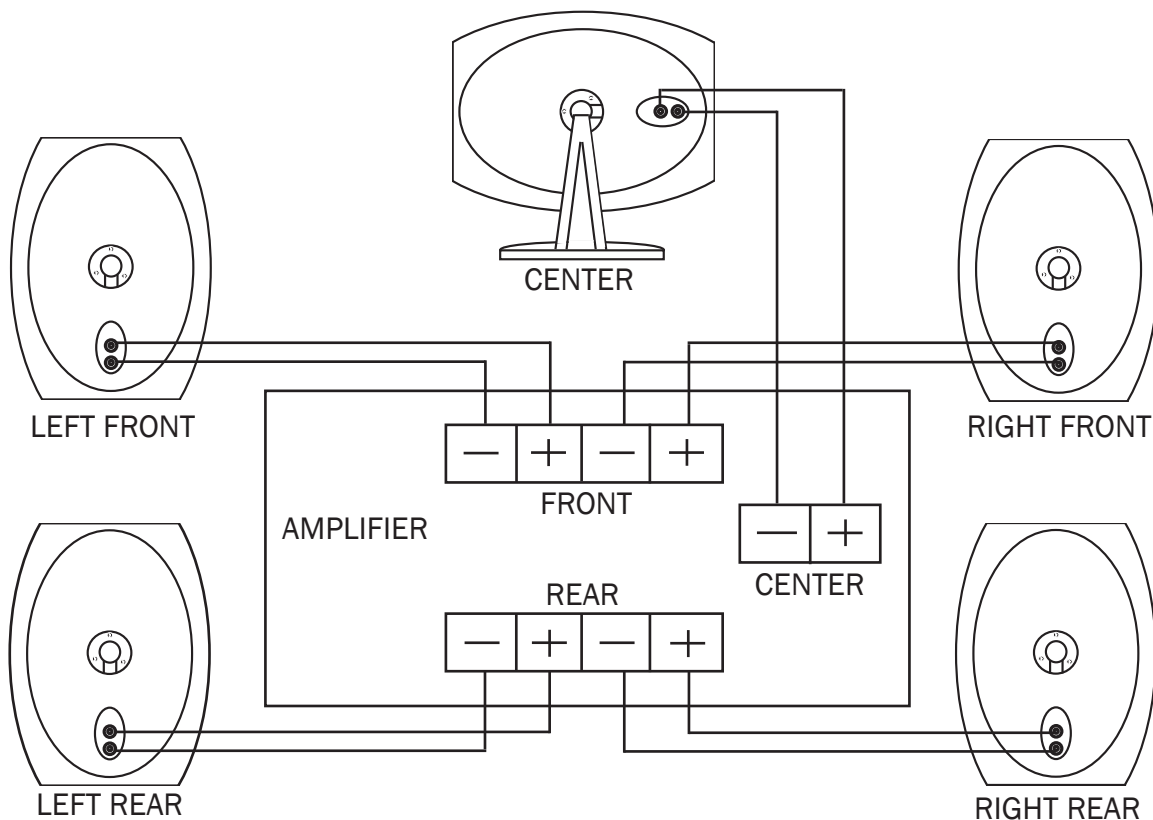
## PLACEMENT

The ATS-1 “All Terrain Speaker” is designed for indoor and outdoor playback of music and home theater sources. Each speaker includes a convenient stand / mount with a ball and socket type swivel adjustment to facilitate aiming the speaker at your seating area. As you unpack your speaker, please note the allen (hex) wrench provided that will be required to set the correct speaker angle. The ATS-1 is video shielded for safe placement on or near a television or computer monitor.

## AMPLIFIER CONNECTIONS

Before making any connection, make sure your stereo amplifier or receiver’s power is turned off. Each speaker has a red (+) terminal and a black (-) ground terminal which will match the speaker output terminals on your amplifier or receiver. Correctly connecting red to red and black to black from your amplifier to your speaker will ensure correct phase connection. We recommend 16-gauge or heavier wire for the best performance for your speakers. Choose speaker wire that defines each conductor with color coding or texture on at least one of the two wire leads to ensure proper phase connection. If our home theater receiver has a set-up menu, we recommend that the “small” setting be selected for the front left and right, center and surround speakers.

The diagram below illustrates a typical home theater hook up:



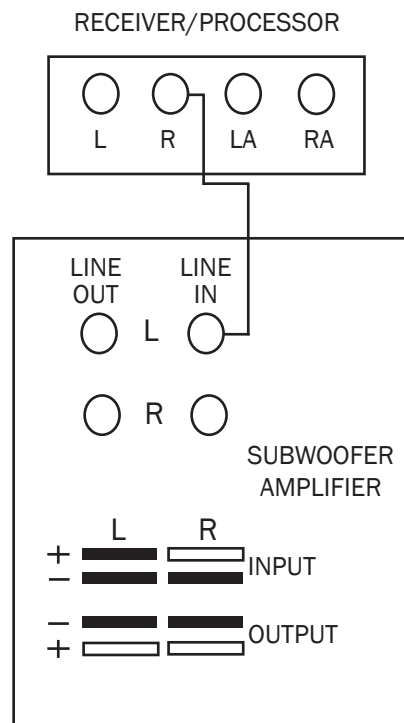
## SUBWOOFER CONNECTIONS

You may choose to use a subwoofer with your ATS-1 to enhance the bass response of your music system. The Phase Technology Power 8 is well-suited for the use with the ATS-1. There are two ways to connect the ATS-1 in a home theater system with a powered subwoofer. The LOW-LEVEL diagram below may be utilized with receivers or processors that feature subwoofer or low frequency outputs. This type of output utilizes RCA connectors.

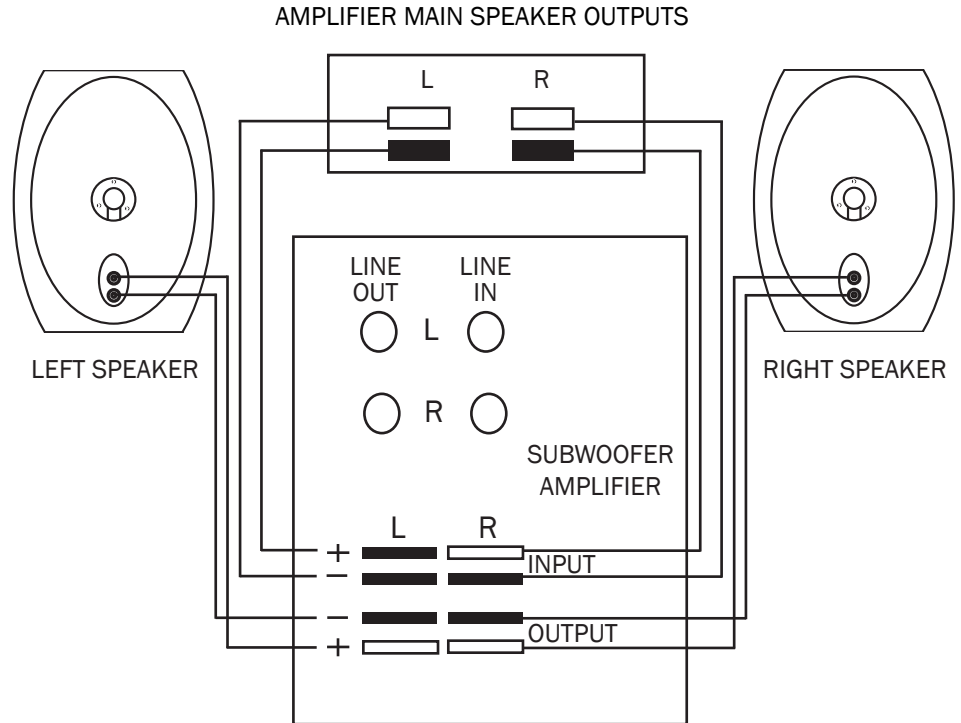
Note: Most processors and receivers have a single (mono) sub-out. Connect the subwoofer output from your receiver/processor to either the left input or the right input on your subwoofer amplifier.

The HIGH-LEVEL (speaker level) diagram below illustrates the typical subwoofer wiring utilizing the speaker output terminals of the amplifier or receiver. This hook-up method illustrates the ATS-1 connection to the subwoofer.

LOW-LEVEL SUBWOOFER HOOKUP



HIGH-LEVEL SUBWOOFER HOOKUP

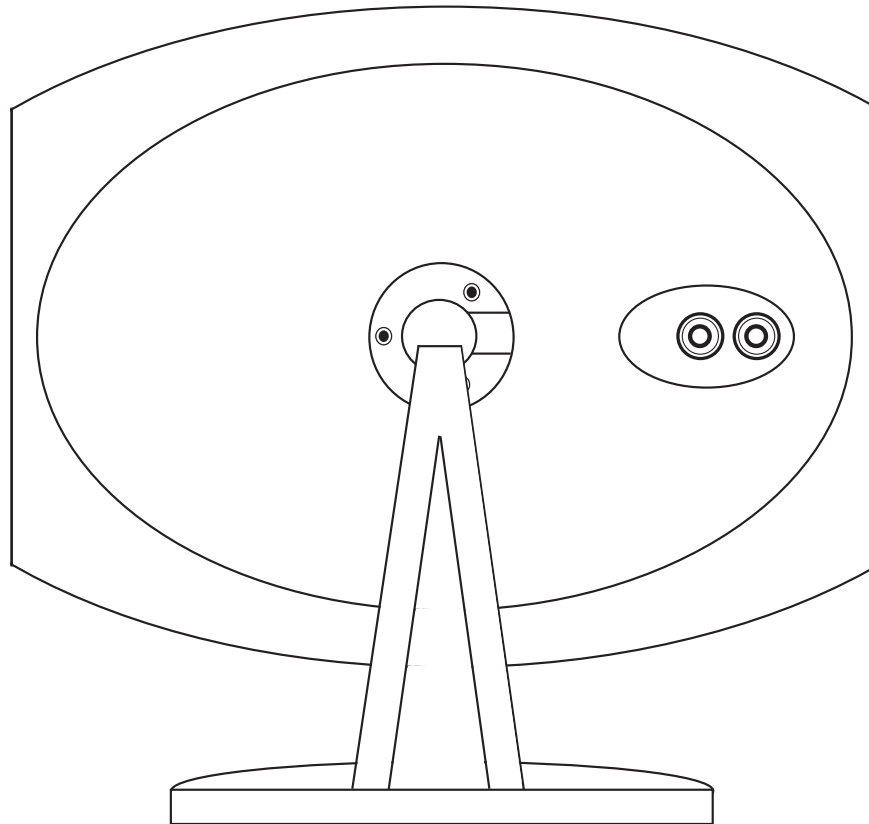


## ADJUSTING THE ATS-1

The ATAS-1 comes with a convenient stand/mount . A ball at the top of the post fits into a socket molded into the back of the speaker. A retaining collar holds the ball in place in the socket providing adjustment of the angle of the speaker, permitting the speaker to be aimed at the ideal listening area. The retaining collar has three allen (hex) type screws to secure the speaker angle. An allen wrench is provided with each speaker to loosen and tighten the screws.

Note: Always loosen the screws on the retaining collar before you attempt to change the angle of your speaker on the bass. Failure to do so may result in damage to the post.

The screws in the retaining collar may be loosened by inserting the allen wrench into the screw head and turning the screws in a counter-clockwise direction. Once you have determined the desired angle, tighten the retaining screws by turning them in the clockwise direction until snug. Avoid over-tightening the retaining screws.



## WALL MOUNTING

The base assembly is pre-drilled for fastening to a shelf, wall or ceiling. Before mounting the ATAS-1 to a wall or ceiling, it is important to consider the surface material on which the speaker will be mounted. If you intend to mount the speaker to wood, traditional 1" long wood screws will secure the speaker properly. Mounting to stucco, plaster or drywall will require additional measures to properly secure the speaker to one of these surfaces. Consult your Phase Technology dealer for assistance.

You will find it much easier to mount the base if you first remove the speaker from the mounting post. To remove the speaker from the post, first place the speaker face down on a soft surface such as carpet or a hand towel. The speaker is secured to the mounting post by three allen head screws located in the retaining collar. Using the allen wrench supplied with the ATAS-1, remove the three screws. You now have clear access to the mounting holes in the base. With the speaker removed from the base, use the base as a template to locate the desired speaker placement. Hold the base at the location at which the speaker is to be mounted, then mark the mounting holes with a pencil. Secure the base to the mounting surfaces with the appropriate screws.

Note: For ceiling or wall mounting, it is recommended to center the base on a stud or wood frame member within your structure whenever possible. Once the base is properly secured, the speaker may be replaced on the mounting post.

Before you replace the speaker on the mounting post, connect the speaker wire to the terminals on the back of the speaker. Once you have connected the wire, place the speaker on the mounting post and replace the retaining collar and screws using the allen wrench. Hold the speaker at the desired angle and tighten the screws. Avoid over-tightening the screws. Always loosen the retaining screws before attempting to change the speaker angle.

## RUBBER FEET

Peel-and-stick rubber feet are provided for the bottom of the base. It is recommended that the feet be applied to the base when using the ATS-1 on a shelf or other flat surface to prevent marring the surface and to prevent the ATS-1 from sliding due to vibration.

## CARING FOR YOUR SPEAKERS - OUTDOOR USE

Your ATS-1 speakers are engineered for both indoor and outdoor use and operation. Random water hitting the speaker will not damage your ATS-1, making it ideally suited for placement in close proximity to swimming pools and spas. The ATS-1 is not intended for use underwater, however.

Ordinary dust and dirt accumulation will not harm the ATS-1. If you wish to clean the ATS-1, household glass cleaning solution sprayed on a paper towel may be used for light cleanup. For heavier stains, a soap and water solution applied with a rag or sponge should remove the dirt and stains. Avoid spraying the ATS-1 with a high-pressure hose.

## SERVICE ISSUES AND WARRANTY

Phase Technology has an uncompromising commitment to quality assurance. In the unlikely event that a problem occurs with your ATS-1, please contact your Phase Technology dealer. Your new ATS-1 comes with a warranty to protect you, the original purchaser, for a period of ten years against defects in material and workmanship. Please refer to the warranty card included with this manual.

## SPECIFICATIONS

Tweeter	1" soft dome
Woofers	4" mineral filled cone with butyle rubber surround
Shielding	Video shielded
Crossover	12 dB per octave @ 2.5 kHz
Frequency	80 Hz - 20 kHz $\pm$ 3 dB
Amp Power	80 Watts continuous
Sensitivity	90 dB
Impedance	6 Ohms
Dimensions*	6 7/8" H x 8 1/8" W x 6 3/8" D
Finish	Black or white

\* All measurements include the base /mount assembly.